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NOTICE OF ALLOWANCE AND FEE(S) DUE

22801 7590 01/14/2010

LEE & HAYES, PLLC
601 W. RIVERSIDE AVENUE
SUITE 1400
SPOKANE, WA 99201

EXAMINER

WEINER, ERIC A

ART UNIT

PAPER NUMBER

2179

DATE MAILED: 01/14/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/763,898	01/23/2004	Patrick M. Baudisch	MS1-4824US	7772

TITLE OF INVENTION: HIGH DENSITY CURSOR SYSTEM AND METHOD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/14/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE** OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
 or Fax **(571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

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Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/763,898 01/23/2004 Patrick M. Baudisch MS1-4824US 7772

TITLE OF INVENTION: HIGH DENSITY CURSOR SYSTEM AND METHOD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/14/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
WIENER, ERIC A	2179	715-856000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a **Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2
 3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____
 Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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EXAMINER

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 594 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 594 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability**Application No.**

10/763,898

Applicant(s)

BAUDISCH ET AL.

Examiner

Eric Wiener

Art Unit

2179

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE and Amendments filed on 10/28/2009.
2. ☒ The allowed claim(s) is/are 1-3,7-9,11,13,14,16,20 and 21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/Ba Huynh/
Primary Examiner, Art Unit 2179

DETAILED ACTION

1. This action is responsive to the following communications: Amendment filed on 10/28/2009.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 10/28/2009 has been entered.

3. Claims 1, 8, 14, and 21 are the independent claims. Claims 1, 8, 14, and 21 are currently amended. Claim 21 has been further amended by Examiner's Amendment. Claims 4 – 6, 10, 15, and 17 – 19 have been cancelled. Claims 1 – 3, 7 – 9, 11, 13, 14, 16, 20, and 21 are Allowable.

Examiner's Amendment

4. An Examiner's Amendment to the record appears below. Because the Examiner's Amendment is only to correct what is believed to be a typographical error, Applicant's approval was not requested. However, should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

CLAIM 21. (Currently Amended) A method for enhancing a mouse cursor displayed on a computer display, the method comprising:

- obtaining a current mouse cursor speed;
- determining whether the current mouse cursor speed exceeds a predetermined threshold, and if so:
 - o generating a mouse path between an actual current mouse cursor location and an actual previous mouse cursor location; determining at least one additional mouse cursor location on the generated mouse path; and
 - o displaying, for each single frame and within each single frame, a mouse cursor image at each additional determined mouse cursor location on the generated mouse path, in addition to displaying a mouse cursor image at the actual current mouse cursor location and at the actual previous mouse cursor location, wherein the mouse cursor image displayed at each additional determined mouse cursor location on the generated mouse path between the actual current and the actual previous mouse cursor locations is an enhanced mouse cursor image on the computer display.

Allowable Subject Matter

5. Claims 1 – 3, 7 – 9, 11, 13, 14, 16, 20, and 21 are Allowable.

Applicant's arguments pertaining to claims 1, 8, 14, and 21 in the Remarks filed on 10/28/2009 have been fully reviewed and considered.

Applicant's arguments pertaining to the newly amended limitations of claims 1, 8, 14, and 21; when viewed in light of the previous language of the claims and of the prior art; have been fully considered and are persuasive.

In particular, Applicant's arguments regarding particular methods claimed in independent claims 1, 8, 14, and 21 that pertain to *displaying at least one additional mouse cursor image for each single frame and within each single frame* have been found persuasive, and therefore upon further review, independent claims 1, 8, 14, and 21 when each viewed as a whole and in light of the prior art have been determined to be allowable.

Independent claim 1 is directed to a method for enhancing a mouse cursor displayed on a computer display.

Independent claim 8 is directed to a method for enhancing a mouse cursor displayed on a computer display employing a processor executing computer executable instructions stored on a computer readable storage medium.

Independent claim 14 is directed to a method for enhancing a mouse cursor displayed on a computer display comprising obtaining mouse cursor information relating to the mouse cursor during the mouse cursor's update display cycle.

Independent claim 21 is directed to a method for enhancing a mouse cursor displayed on a computer display, wherein the mouse cursor image displayed at each additional determined mouse cursor location on the generated mouse path between the actual current and the actual previous mouse cursor locations is an enhanced mouse cursor image on the computer display.

Dependent claims 2, 3, 7, 9, 11, 13, 16, and 20 each depend from either claim 1, 8, 14, or 21 and further limit the subject matter claimed in claims 1, 8, 14, and 21.

6. The following is an Examiner's statement of reasons for allowance:

Specifically regarding claims 1, 8, 14, and 21; prior art of record fails to clearly teach or suggest the claimed limitations pertaining to:

*if a mouse cursor speed exceeds a predetermined threshold, displaying **for each single frame and within each single frame at least one** additional mouse cursor image, in addition to displaying a mouse cursor image at the actual previous and actual current mouse cursor locations*

Regarding particular art of record, Xuejiang Cheng (US 5,661,502) discloses if a mouse cursor speed exceeds a predetermined threshold, displaying at least one additional mouse cursor image, in addition to displaying a mouse cursor image at the actual previous and actual current mouse cursor locations.

In addition, Kensuke (JP 05073257 A) discloses sizing an enhanced mouse cursor image as a function of the mouse cursor speed.

In addition, Bay-Wei Chang ("Animation: From Cartoons to the User Interface" – IDS, 9/28/2005) discloses generating a motion-blur effect for the mouse cursor according to the current mouse cursor speed along the generated mouse path.

In addition, Marsh (US 5,621,434) discloses adjusting frame memory to erase an old mouse cursor image to replace with a new mouse cursor image.

However, neither Xuejiang Cheng, Kensuke, Bay-Wei Chang, Marsh, nor any other art of record explicitly teaches or makes obvious the claimed limitations pertaining to: *if a mouse*

cursor speed exceeds a predetermined threshold, displaying for each single frame and within each single frame at least one additional mouse cursor image, in addition to displaying a mouse cursor image at the actual previous and actual current mouse cursor locations.

Prior art fails to teach or make obvious all of the limitations of claims 1, 8, 14, and 21 pertaining to: *if a mouse cursor speed exceeds a predetermined threshold, displaying for each single frame and within each single frame at least one additional mouse cursor image, in addition to displaying a mouse cursor image at the actual previous and actual current mouse cursor locations.*

Therefore, claims 1, 8, 14, and 21 have been determined to be allowable.

Dependent claims 1, 8, 14, and 21 further add limitations to the allowable subject matter of independent claims 1, 8, 14, and 21 and thus are also allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Eric A. Wiener whose telephone number is 571-270-1401 and whose fax number is 571-270-2401. The Examiner can normally be reached during regular Office business hours, Monday through Thursday.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Weilun Lo, can be reached on 571-272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Eric Wiener/
Examiner, Art Unit 2179

/Ba Huynh/
Primary Examiner, Art Unit 2179